

FIG. 1

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Application/Control Number 10/716,064 Art Unit: 3672  
Inventor: Michael Gondouin Examiner: Daniel P. Stephenson  
Filing Date: 11/17/2003

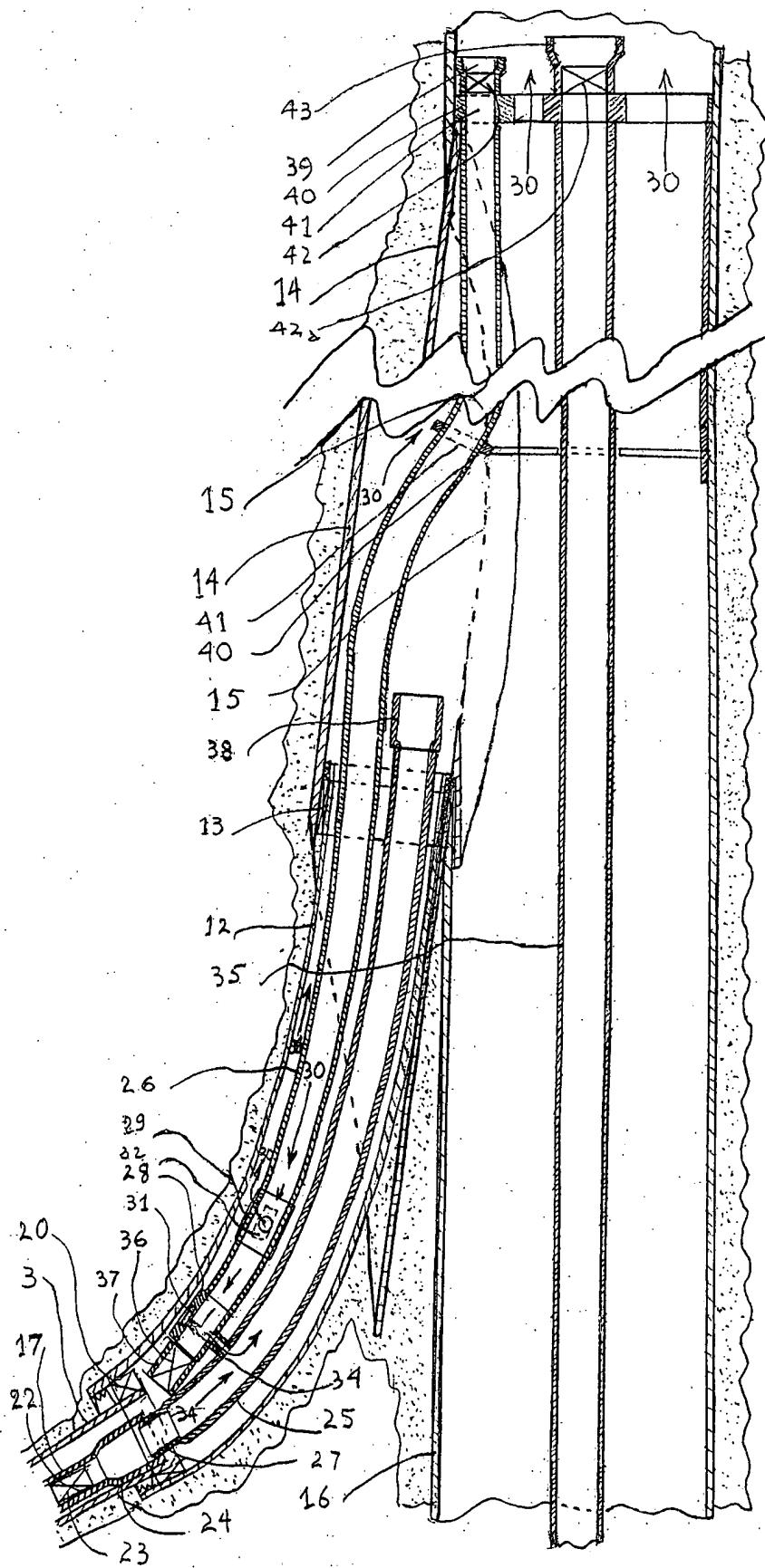


FIG. 2

Application/Control Number 10/716,064 Art Unit: 3672  
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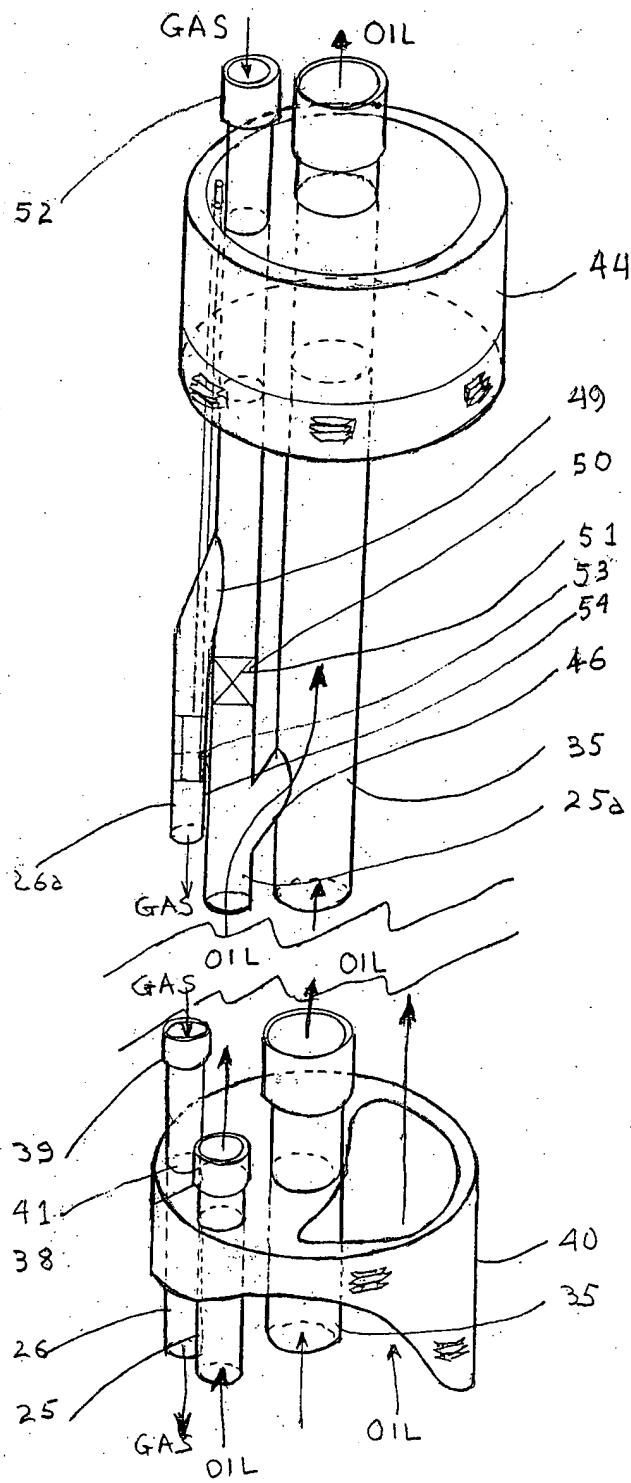
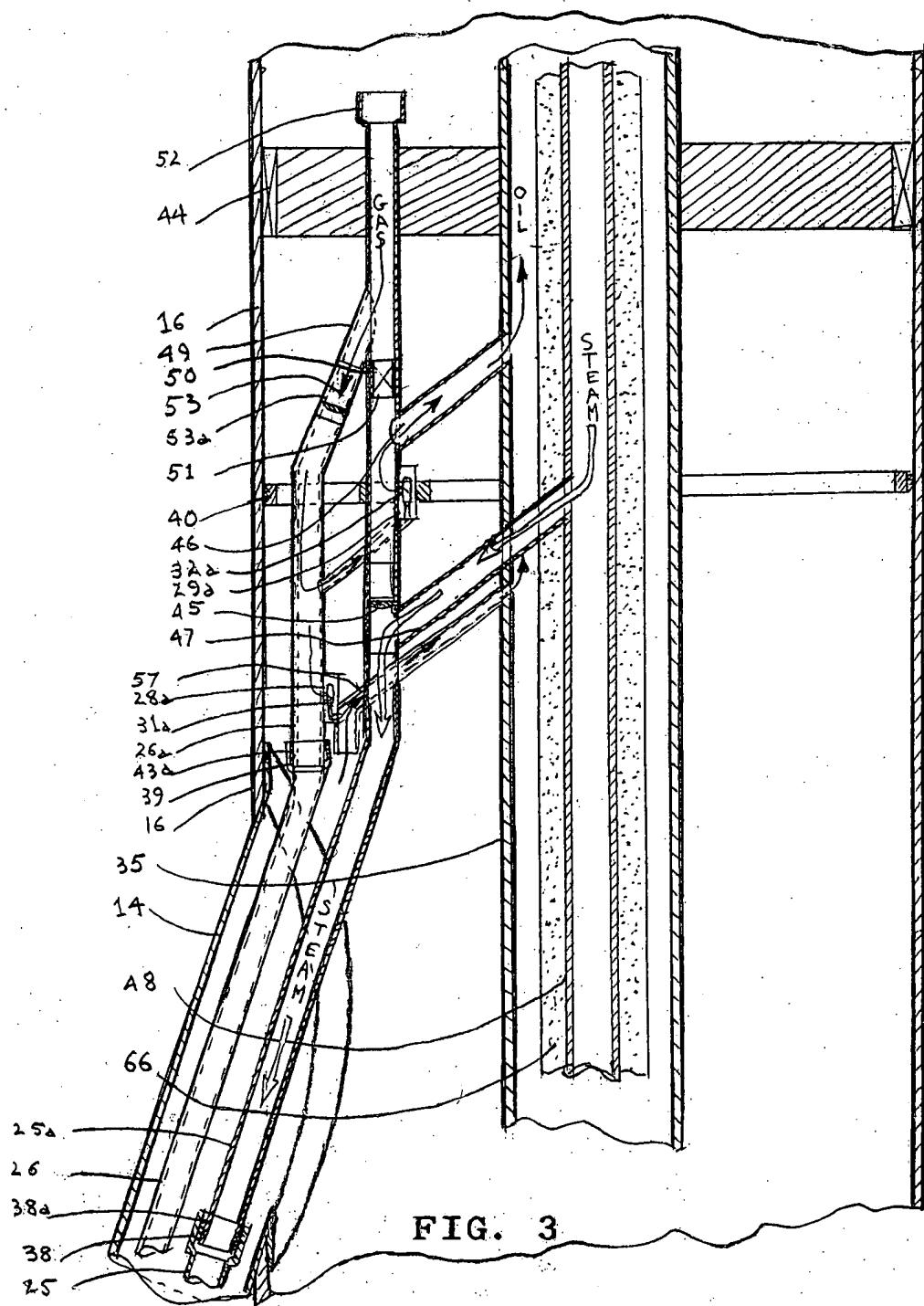


FIG. 2A

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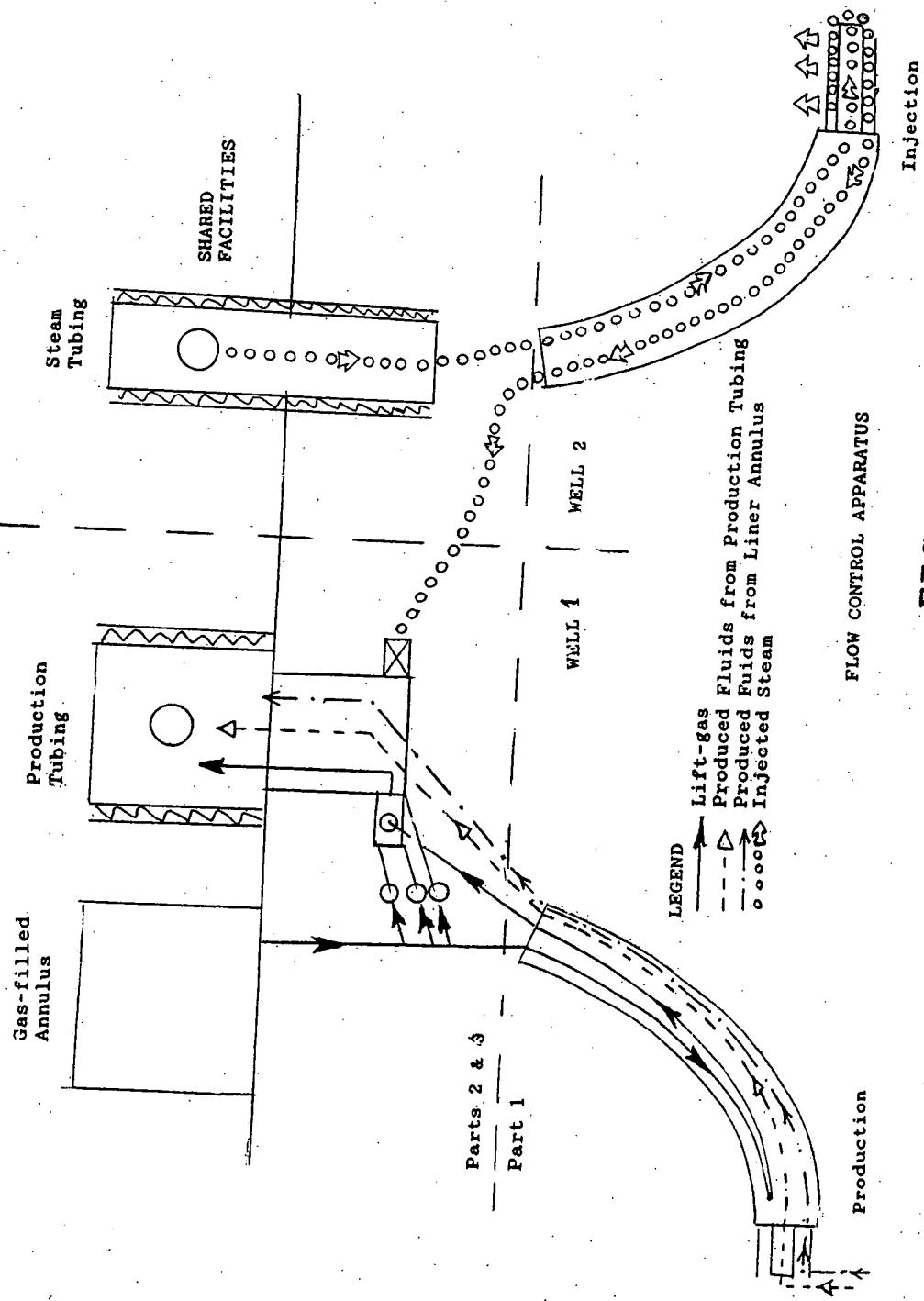


FIG. 4

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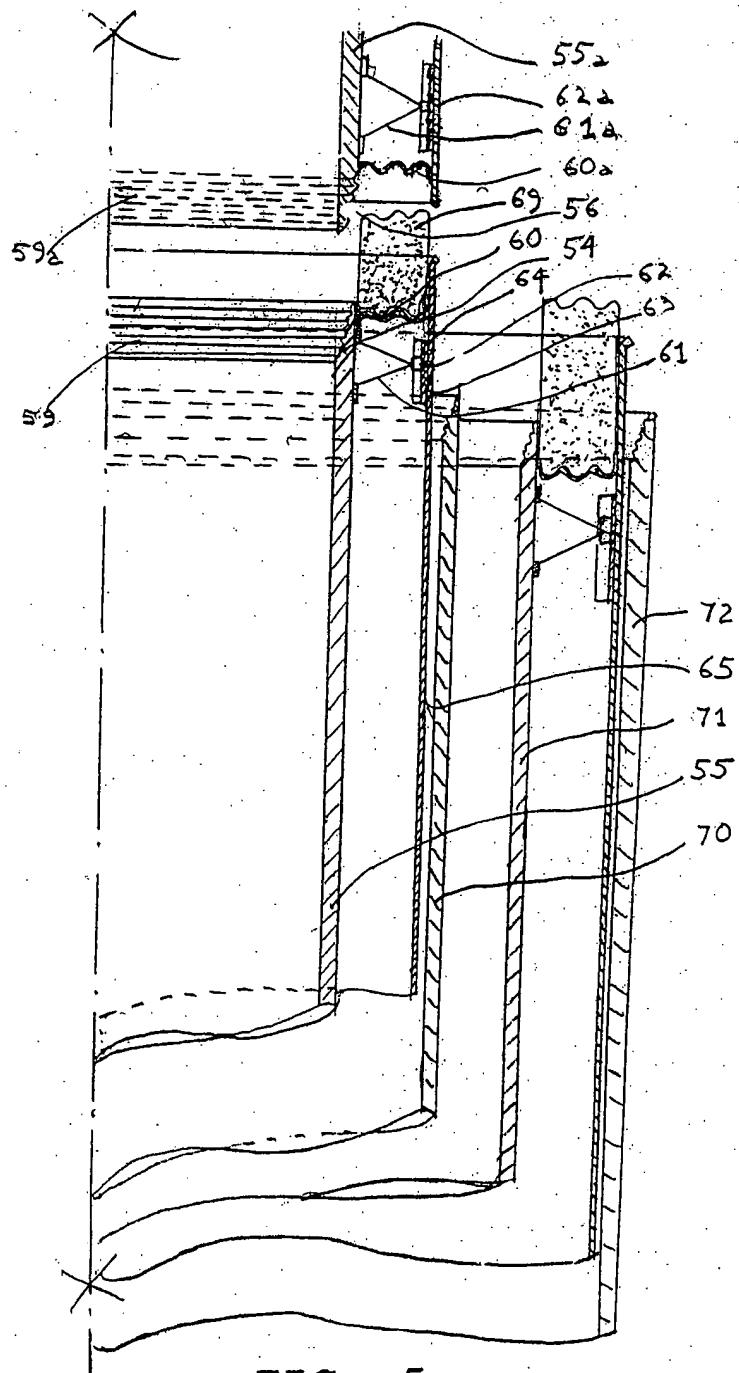


FIG. 5

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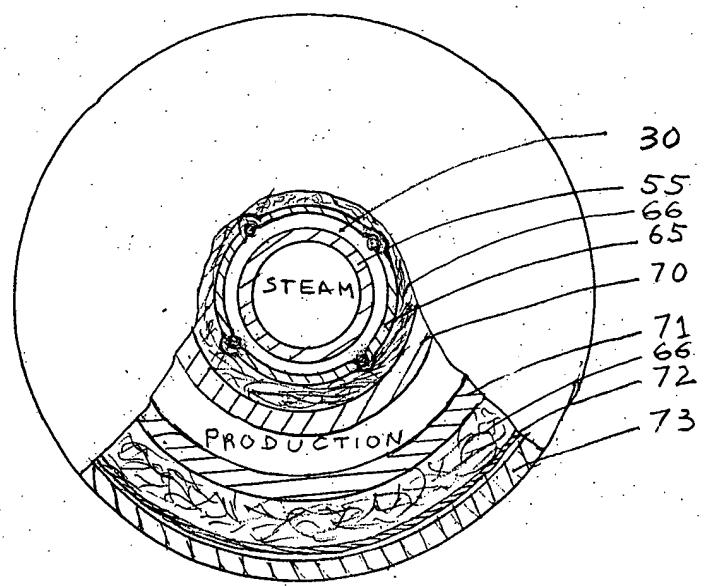


FIG. 6

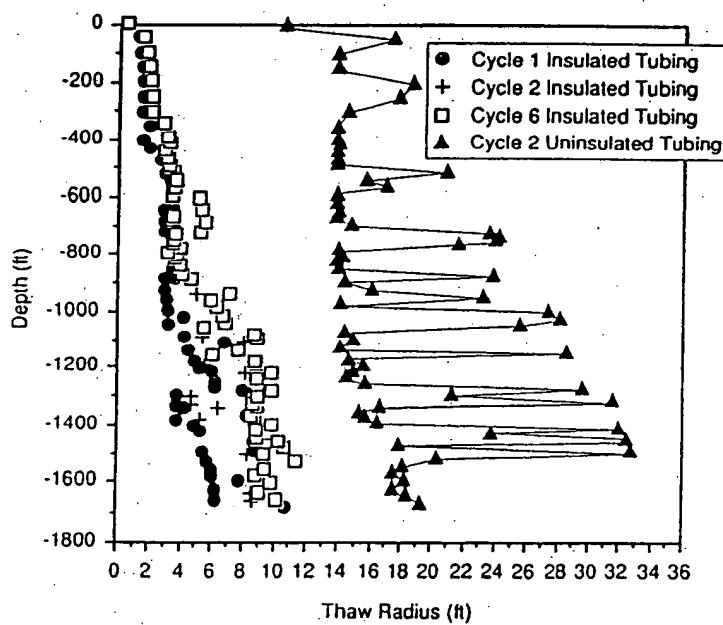
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Inventor: Michael Gondouin Examiner: Daniel P. Stephenson  
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Replacement Sheet 3 of 3

## PRIOR ART

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FIGURE 1C



Thaw Radii at End of Cycles 1, 2 and 6



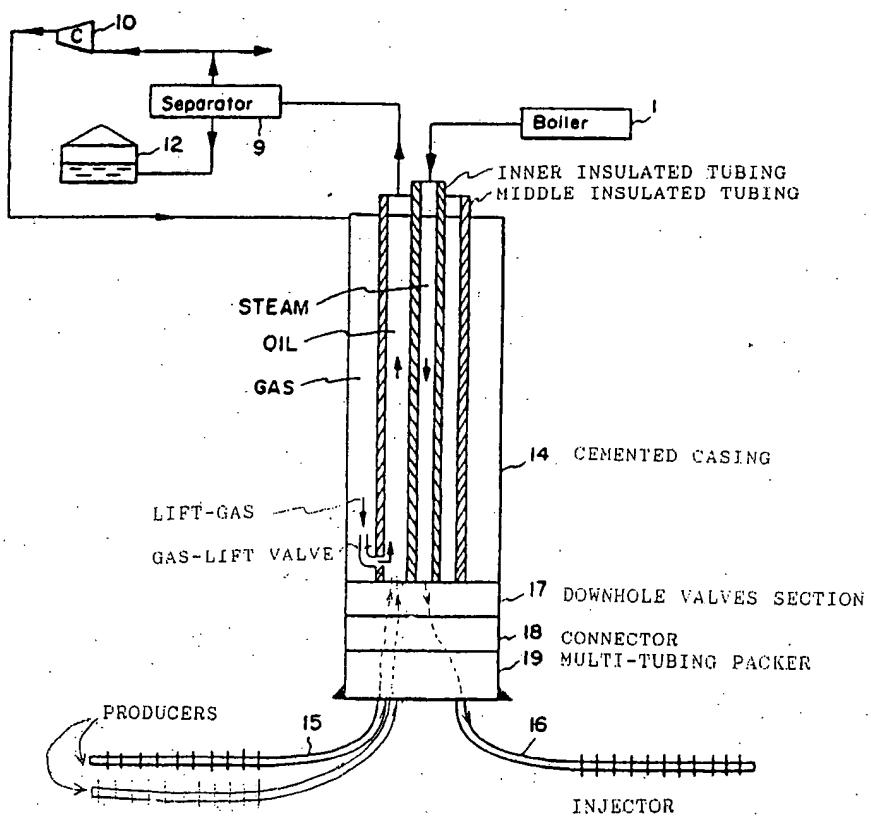
Oct 19 2006

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Inventor: Michael Gondouin Examiner: Daniel P. Stephenson  
Filing Date: 11/17/2003 Primary Examiner: Sheet 1 of 2

17/2009 Replacement Sheet 1 of 3

## PRIOR ART

FIGURE 1A

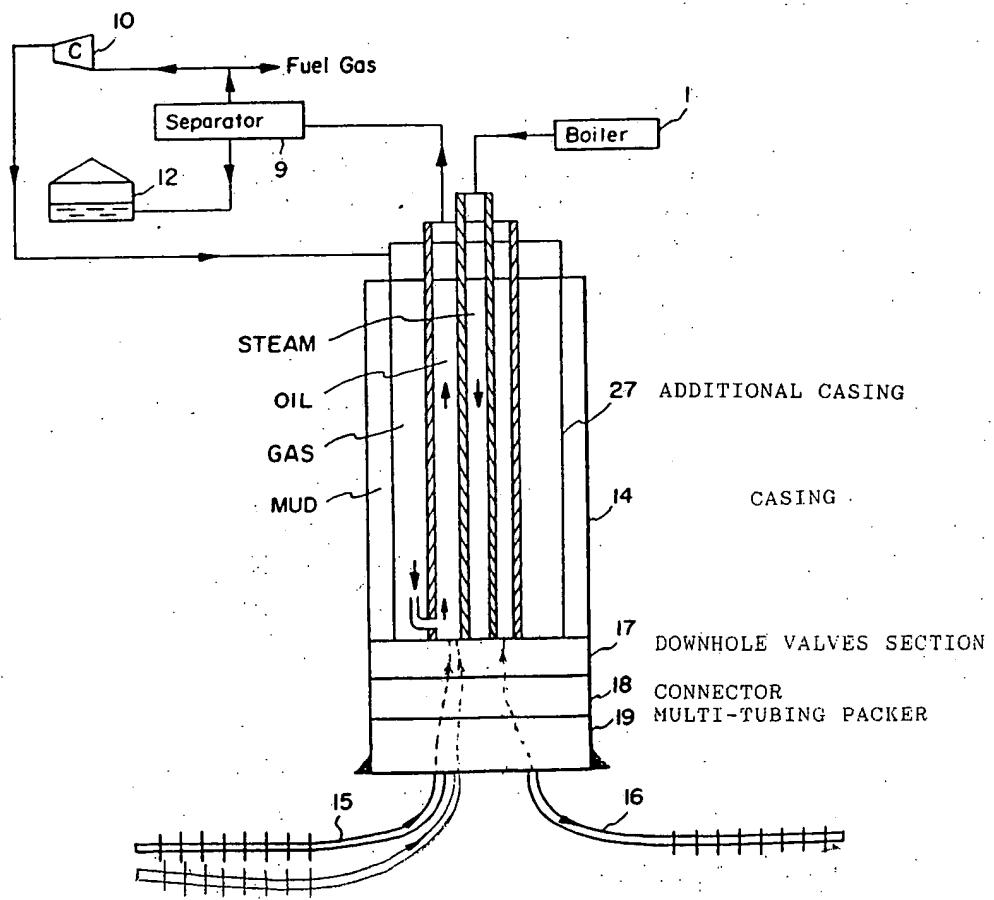


## SCHEMATIC MULTI-LATERAL ARCTIC WELL CONFIGURATION

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Inventor: Michael Gondouin Examiner: Daniel P. Stephenson  
Filing Date: 11/17/2003  
Replacement Sheet 2 of 3

## PRIOR ART

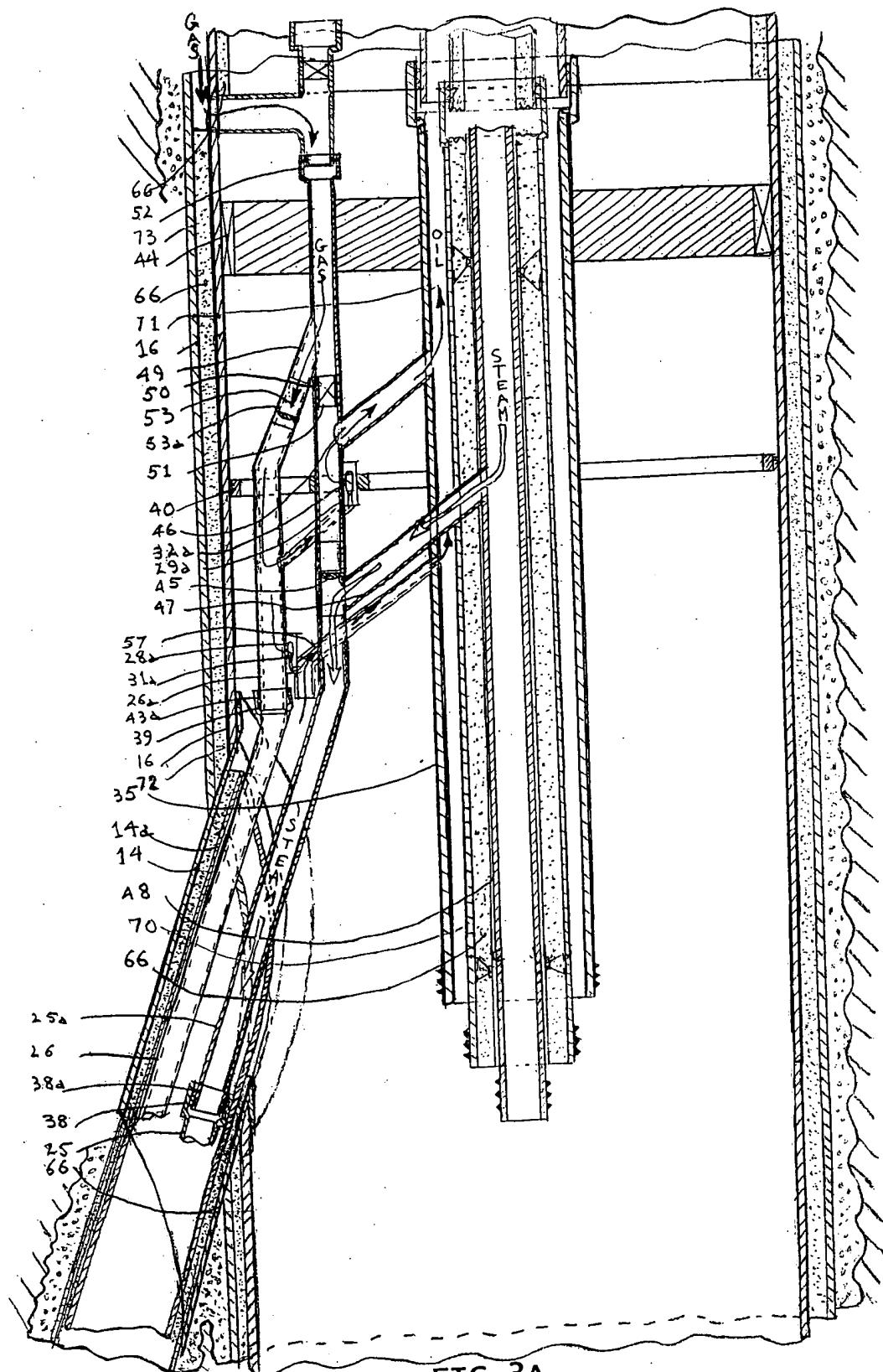
FIGURE 1B



MODIFIED MULTI-LATERAL ARCTIC WELL FOR SPECIAL SITUATIONS

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Inventor: Michael Gondouin Examiner: Daniel P. Stephenson  
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New Sheet 1 of 2



New Sheet 2 of 2

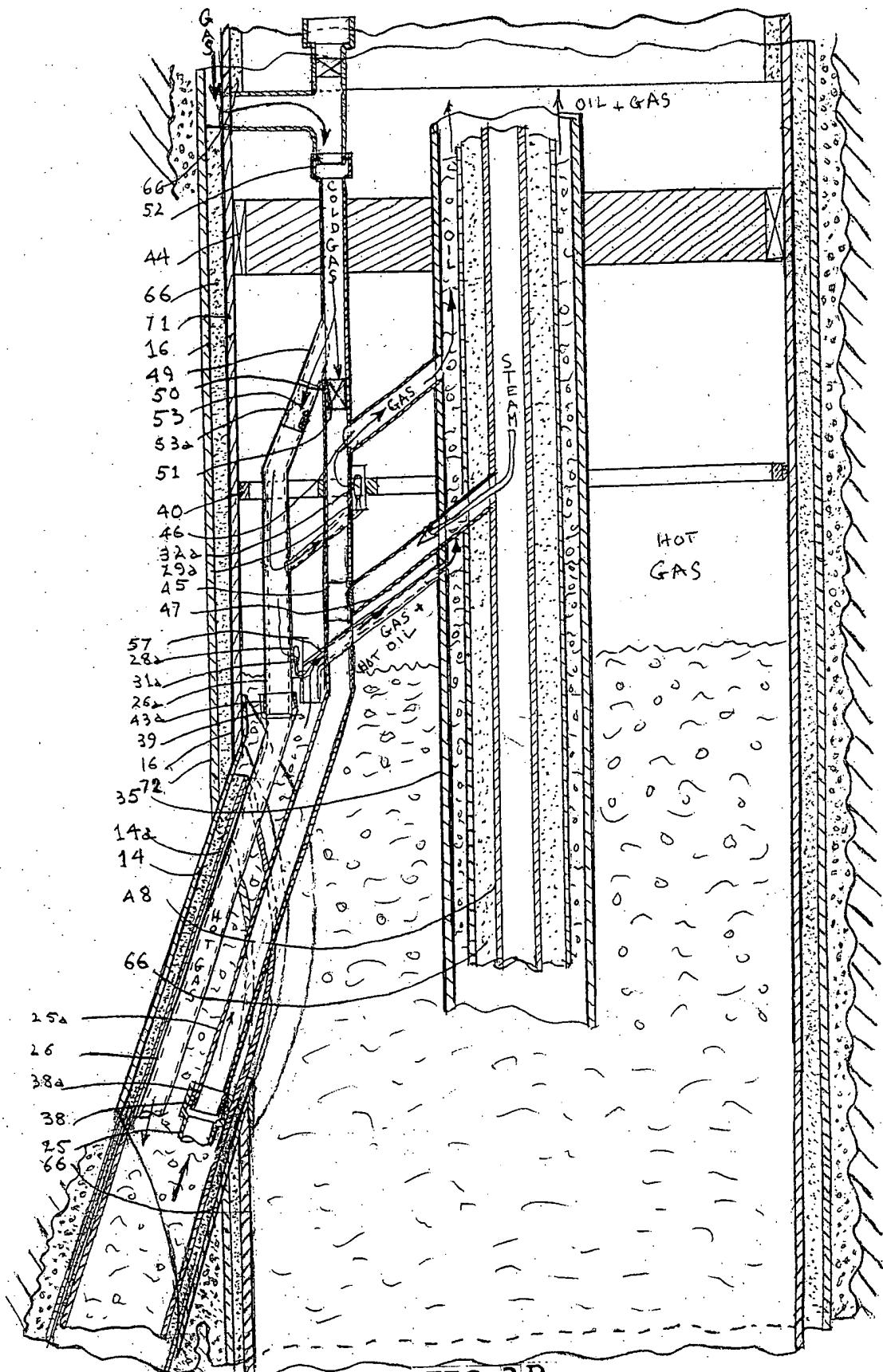


FIG. 3.B

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